

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method as recited in claim 14, ~~treatment composition for treating disordered tissue caused by at least one of a virus, bacteria or fungus, comprising:~~
said organohalide comprising at least one quaternary ammonium halide compound having an alkyl radical with at least six carbons in a carrier, and wherein the treatment composition is a liquid comprising a tissue penetrating component for penetrating skin in a rapid manner without rapidly diffusing beyond the skin.
2. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said at least one quaternary ammonium halide compound comprises at least one benzalkonium chloride compound having an alkyl with 6-18 carbons.
3. (Currently Amended) A method ~~treatment composition~~ as recited in claim 2, wherein said at least one benzalkonium chloride compound comprises benzalkonium chloride having an n-alkyl chain length that is at least one of C₁₂, C₁₄, C₁₆, or C₁₈.
4. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said carrier comprises isopropyl alcohol.
5. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said carrier comprises isopropyl alcohol and water.
6. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said carrier consists essentially of isopropyl alcohol and water.
7. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said carrier comprises isopropyl alcohol and water, the water being in an amount ranging from about 20% to about 40% by volume of the carrier.

8. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said carrier comprises an aqueous solution of isopropyl alcohol at a concentration of about 70% of isopropyl alcohol by volume of the carrier.

9. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said carrier comprises an aqueous solution of isopropyl alcohol such that the isopropyl alcohol is present at a concentration by volume in the range from about 20% to about 80% by volume of the carrier.

10. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein the said treatment composition is substantially oil free of ~~penetration-inhibiting components~~.

11. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein ~~the treatment composition penetration into disordered tissue is such that the~~ said treatment composition is no longer visibly detectable on the said disordered tissue within about two minutes after application of the said treatment composition onto the said disordered tissue.

12. (Currently Amended) A method ~~treatment composition~~ as recited in claim 1, wherein said at least one quaternary ammonium halide compound comprises at least one of n-dialkyl methyl benzyl ammonium halide or n-alkyl dimethyl ethylbenzyl ammonium halide.

13. (Currently Amended) A method ~~treatment composition~~ as recited in claim 12, wherein said halide is a chloride.

14. (Currently Amended) A method for locally treating pathogen-induced disordered tissue caused by at least one of a virus, a bacteria or a fungus, comprising:

identifying disordered tissue that comprises one or more lesions caused by at least one of a virus, a bacteria or a fungus, said disordered tissue comprising stratum spinosum; and

~~applying to said disordered tissue~~ providing a treatment composition for application to and penetration into said disordered tissue, said treatment composition comprising at least one anti-infective agent in a carrier, ~~the said~~ at least one anti-infective agent comprising an organohalide, and wherein ~~the said~~ treatment composition is a liquid comprising a tissue penetrating agent for penetrating skin; and

applying said treatment composition to said disordered tissue in a rapid manner so as to cause or allow said treatment composition to form a reservoir of the said treatment composition within the said stratum spinosum of said disordered tissue ~~but without rapidly diffusing beyond the~~ so as to provide treatment of said disordered tissue.

15. (Currently Amended) A method as recited in claim 14, wherein ~~the said~~ anti-infective agent comprises at least one benzalkonium chloride compound comprised of an alkyl group having 8-18 carbons.

16. (Currently Amended) A method as recited in claim 14, wherein ~~the said~~ anti-infective composition comprises at least one quaternary ammonium halide compound.

17. (Currently Amended) A method as recited in claim 14, wherein ~~the said~~ carrier comprises isopropyl alcohol.

18. (Currently Amended) A method as recited in claim 14, wherein ~~the said~~ carrier comprises a hydroalcoholic solution of isopropyl alcohol at a concentration of about 70% of isopropyl alcohol by volume in the carrier.

19. (Original) A method as recited in claim 14, wherein said treatment composition is substantially free of penetration inhibiting components.

20. (Cancelled)

21. (Currently Amended) A method as recited in claim 14, wherein the said treatment composition is applied to ~~the~~ said disordered tissue ~~by while~~ rubbing the said disordered tissue in order for at least a portion of said treatment composition to penetrate through stratum corneum of said disordered tissue.

22. (Currently Amended) A method as recited in claim 14, wherein the said treatment composition is applied to the said disordered tissue ~~by vigorously agitating the~~ compressing said disordered tissue with little or no rubbing.

23. (Currently Amended) A method as recited in claim 14, wherein ~~the~~ said disordered tissue is includes at least one lesion caused by smallpox virus.

24. (Currently Amended) A method as recited in claim 14, wherein ~~the~~ said disordered tissue ~~is~~ includes at least one lesion caused by anthrax bacteria.

25. (Currently Amended) A method for locally treating pathogen-induced disordered tissue caused by at least one of a virus, a bacteria, or a fungus ~~smallpox lesions~~, comprising:

identifying disordered tissue that comprises one or more ~~smallpox~~ lesions caused by ~~smallpox~~ at least one of a virus, a bacteria, or a fungus; and

~~applying to the one or more smallpox lesions~~ providing a treatment composition for application to and penetration into said disordered tissue, smallpox lesions, the said treatment composition comprising at least one anti-infective agent in a carrier, ~~the said~~ at least one anti-infective agent comprising an organohalide, and wherein ~~the said~~ treatment composition is a liquid comprising a tissue penetrating agent for penetrating skin; and

applying said treatment composition to said disordered tissue by rubbing in a rapid manner so as to cause or allow said treatment composition to form a reservoir of the said treatment composition within the smallpox lesions but said disordered tissue in order for said treatment composition to kill at least one of viruses, bacteria or fungus within said disordered tissue before without rapidly ~~diffusing beyond said disordered tissue the smallpox lesions.~~

26. (Currently Amended) A method as recited in claim 25, wherein the said anti-infective agent comprises at least one benzalkonium chloride compound having an alkyl group with 6-18 carbons.

27. (Currently Amended) A method as recited in claim 25, wherein the said anti-infective composition comprises at least one quaternary ammonium halide compound having an alkyl group with at least 6 carbons.

28. (Currently Amended) A method as recited in claim 25, wherein the said carrier comprises isopropyl alcohol.

29. (Currently Amended) A method as recited in claim 25, wherein the said carrier comprises a hydroalcoholic solution of isopropyl alcohol at a concentration of about 70% of isopropyl alcohol by volume in the carrier.

30. (Currently Amended) A method for locally treating herpes virus pathogen-induced disordered tissue caused by at least one of a virus, a bacteria, or a fungus such as a cold sore, comprising:

identifying disordered tissue that comprises one or more lesions caused by at least one of a herpes virus, a bacteria, or a fungus; and

~~applying to said disordered tissue~~ providing a treatment composition for application to and penetration into said disordered tissue, said treatment composition comprising at least one anti-infective agent in a carrier, said at least one anti-infective agent comprising an organohalide, and wherein said treatment composition comprises a tissue penetrating agent for penetrating skin; and

applying said the treatment composition to said disordered tissue being applied while applying maintaining sufficient pressure ~~to the on said~~ disordered tissue so as to firmly compress the said disordered tissue against at least one of bone, tooth, gum, or other tissue underlying the said disordered tissue in order to assist penetration of the said treatment composition into the said disordered tissue;

~~the at least one anti-infective agent comprising an organohalide, and wherein the treatment composition is a liquid comprising a tissue penetrating agent for penetrating~~

~~skin in a rapid manner so as to form a reservoir of the treatment composition within the smallpox lesions but without rapidly diffusing beyond the smallpox lesions.~~

31. (Currently Amended) A method as recited in claim 30, wherein the said anti-infective agent comprises at least one benzalkonium chloride compound having an alkyl group with 6-18 carbons.

32. (Currently Amended) A method as recited in claim 30, wherein the said aqueous carrier comprises an aqueous solution of water and at least one organic solvent.

33. (Currently Amended) A method as recited in claim 30, wherein the said aqueous carrier comprises water and isopropyl alcohol.

34. (Currently Amended) A method as recited in claim 30, wherein the said treatment composition is applied to ~~the~~ said disordered tissue using an applicator.

35. (Currently Amended) A method as recited in claim 30, wherein ~~the~~ said treatment composition is applied to ~~the~~ said disordered tissue using a finger.

36. A method as recited in claim 14, wherein said disordered tissue includes at least one lesion caused by a herpes virus